

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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First Named  
Inventor : Yunbo Cao et al.  
  
Appln. No. : 10/732,741  
  
Filed : December 10, 2003  
  
For : UNCERTAINTY REDUCTION IN  
COLLABORATIVE BOOTSTRAPPING  
  
Docket No.: M61.12-0555

Group Art Unit: 2857

Examiner: ---

**INFORMATION DISCLOSURE STATEMENT**

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VA 22313-1450, THIS

30 DAY OF June, 2004.

Luohu P. Ji  
PATENT ATTORNEY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

**TIME OF FILING**

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.
2.      after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:  
(check either A or B below)
  - A.      a statement as specified in 37 C.F.R. § 1.97(e).
  - B.      the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3. \_\_\_\_\_ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:
- A. a statement as specified in 37 C.F.R. § 1.97(e);
  - B. the petition fee set forth in 37 C.F.R. § 1.17(p).

**STATEMENT**

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

\_\_\_\_\_ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

\_\_\_\_\_ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(2).


**METHOD OF PAYMENT**

- X   No fee is required.
- Attached is a check in the amount of \$\_\_\_\_\_.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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LPJ:lms



Sheet 1 of 1

FORM PTO-1449	Atty. Docket No.: M61.12-0555	Appl. No.: 10/732,741
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor: Yunbo Cao et al.	
	Filing Date December 10, 2003	Group Art: 2857

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA						
AB						

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AC						
AD						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	Steven Abney. Bootstrapping. ACL 2002 40th Annual Meeting of the Association for Computational Linguistics: Proceedings of the Conference. 2002, p. 360-367.
AF	A. Blum and T. Mitchell. 1998. Combining Labeled and Unlabeled Data with Co-Training. In <i>Proceedings of 11<sup>th</sup> Annual Conference On Computational Learning Theory (COLT)</i> , pp. 92-100.
AG	Michael Collins and Yoram Singer. 1999. Unsupervised Models for Named Entity Classification. In <i>Proceedings of the 1999 Joint SIGDAT Conference on Empirical Methods in Natural Language Processing and Very Large Corpora</i> ; pp.100-110.
AH	S. Dasgupta, M. Littman and D. McAllester. 2002. PAC Generalization Bounds for Co-Training. In <i>Advances in Neural Information Processing Systems, Vol. 1</i> . pp. 375-382.
AI	T. Joachims. 1997. A Probabilistic Analysis of the Rocchio Algorithm with TFIDF for Text Categorization. In <i>Proceedings of the 14<sup>th</sup> International Conference on Machine Learning</i> . pp. 143-151
AJ	D. Lewis and W. Gale. 1994. A Sequential Algorithm for Training Text Classifiers. In <i>Proceedings of the 17<sup>th</sup> Annual International ACM SIGIR Conference on Research and Development in Information Retrieval</i> . pp. 3-12.
AK	Cong Li and Hang Li. 2002. Word Translation Disambiguation Using Bilingual Bootstrapping. In <i>Proceedings of the 40<sup>th</sup> Annual Meeting of the Association for Computational Linguistics</i> . pp. 343-351.
AL	K. Nigam and R. Ghani. 2000. Analyzing the Effectiveness and Applicability of Co-Training. In <i>Proceedings of the 9<sup>th</sup> International Conference on Information and Knowledge Management</i> . pp. 86-93.

EXAMINER:	DATE CONSIDERED:
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.